



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09857-B - Goat Anti-Aconitase 2, Biotinlyated Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ACO2, aconitase 2, ACONM, HEL-S-284, ICRD, OCA8, aconitase 2, mitochondrial, citrate hydro-lyase, epididymis secretory sperm binding protein Li 284, mitochondrial aconitase, MGC20605, MGC33908

**Official Symbol:** ACO2

**Accession Number(s):** NP\_001089.1

**Human GeneID(s):** [50](#)

**Non-Human GeneID(s):** 11429 (mouse), 79250 (rat)

### Immunogen

Peptide with sequence C-QHVDVSPTSQRLQ., from the internal region of the protein sequence according to NP\_001089.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

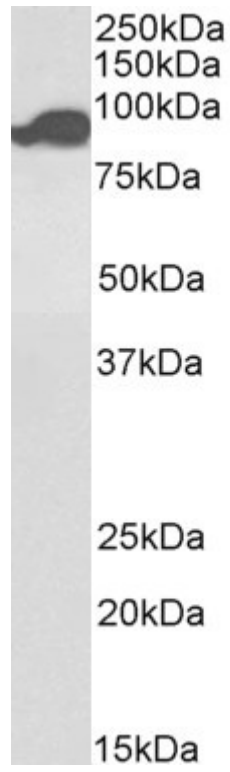
**Peptide ELISA:** antibody detection limit dilution 1:2000.

**Western blot:** Approx 90kDa band observed in Human Heart lysates (calculated MW of 85.4kDa according to NP\_001089.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.1-0.3µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow, Pig



Biotinylated EB09857 (0.1 $\mu$ g/ml) staining of Human Heart lysate (35 $\mu$ g protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.